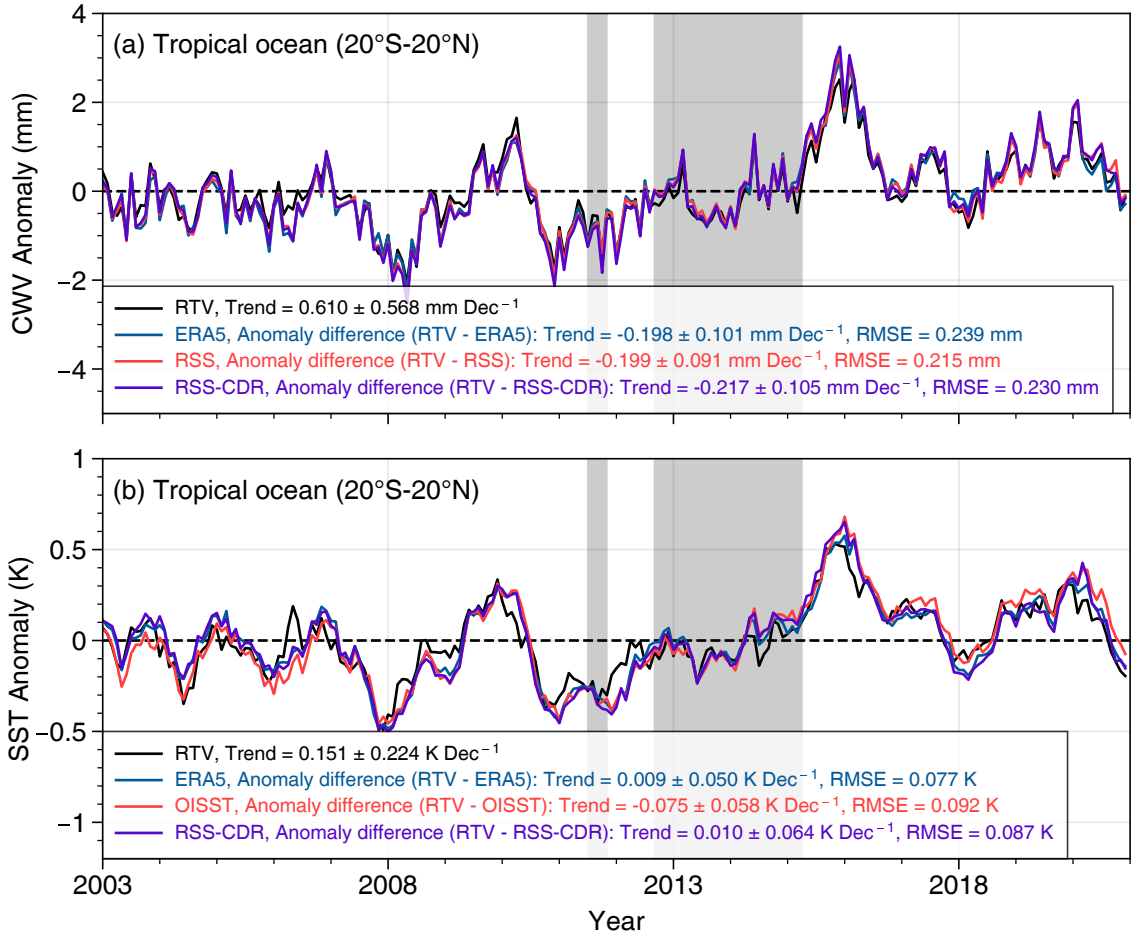
(a) Tropical ocean (20°S-20°N)
CWV Anomaly (mm)
RTV, Trend = 0.610 ± 0.568 mm Dec^{-1}
ERA5, Anomaly difference (RTV - ERA5): Trend = -0.198 ± 0.101 mm Dec^{-1}, RMSE = 0.239 mm
RSS, Anomaly difference (RTV - RSS): Trend = -0.199 ± 0.091 mm Dec^{-1}, RMSE = 0.215 mm
RSS-CDR, Anomaly difference (RTV - RSS-CDR): Trend = -0.217 ± 0.105 mm Dec^{-1}, RMSE = 0.230 mm
(b) Tropical ocean (20°S-20°N)
SST Anomaly (K)
RTV, Trend = 0.151 ± 0.224 K Dec^{-1}
ERA5, Anomaly difference (RTV - ERA5): Trend = 0.009 ± 0.050 K Dec^{-1}, RMSE = 0.077 K
OISST, Anomaly difference (RTV - OISST): Trend = -0.075 ± 0.058 K Dec^{-1}, RMSE = 0.092 K
RSS-CDR, Anomaly difference (RTV - RSS-CDR): Trend = 0.010 ± 0.064 K Dec^{-1}, RMSE = 0.087 K
2003
2008
2013
2018
Year